

INTERNATIONAL SEARCH REPORT

 International application No.
 PCT/US95/04887

A. CLASSIFICATION OF SUBJECT MATTER

IPC(6) : HO4J 3/14; HO4L 12/46

US CL : 370/16, 85.13

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 370/16, 85.13, 85.14; 371/8.1, 8.2, 9.1

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|------------------------------------------------------------------------------------------------------|-----------------------|
| Y | US, A, 5,016,244 (Massey, Jr. et al.) 14 May 1991, see Abstract, and column 4, lines 7-12, 28-29. | 1-28 |
| A | US, A, 5,018,133 (Tsukakoshi et al.) 21 May 1991, see entire document. | 1-28 |
| A | US, A, 5,218,600 (Schenkyr et al.) 08 June 1993, see entire document. | 1-28 |
| A | US, A, 4,692,918 (Elliott et al.) 08 September 1987, see entire document. | 1-28 |



Further documents are listed in the continuation of Box C.



See patent family annex.

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| * Special categories of cited documents: | "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention |
| "A" document defining the general state of the art which is not considered to be part of particular relevance | "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone |
| "E" earlier document published on or after the international filing date | "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art |
| "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) | "&" document member of the same patent family |
| "O" document referring to an oral disclosure, use, exhibition or other means | |
| "P" document published prior to the international filing date but later than the priority date claimed | |

Date of the actual completion of the international search

01 JUNE 1995

Date of mailing of the international search report

24 AUG 1995

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|--------------------------------------------------------------------------------------------------|-----------------------|
| Y | Release notes for 3 Com Corporation, "NET Builder Family Bridge/Router", Pages 27-29, March 1994 | 1-28 |
| Y | RFC 1247 "OSPF Version 2", (J. May) 19 July 1991 | 1-28 |
| A | RFC 1142 "OSI IS-IS Intra-Domain Routing Protocol" (D. Oran) February 1990 | 1-28 |
| A | "TCP/IP and Related Protocols", McGraw-Hill, Inc., pp 226-249, 1992 | 1-28 |